

Full-Length

NDRG1 (Human) Recombinant Protein (P01)

Catalog # H00010397-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NDRG1 full-length ORF (AAH03175, 1 a.a. - 394 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSREMQDVDLAEVKPLVEKGETITGLLQEFQVQEQDIETLHGSHVHTLCGTPKGNRPVILTYHDIG
MNHKTCYNPLFNIEDMQEITQHFVCHVDAPGQQDGAASFPAGYMYPSMDQLAEMLPGLVQQF
GLKSIIGMTGAGAYILTRFALNNPEMVEGLVLINVNPCAEGWMDWAASKISGWTQALPDMVVSH
LFGKEEMQSNVEVVHTYRQHIVNDMNPGNLHLFINAYNSRRDLEIERPMPGTHVTTLQCPALLVVG
DSSPAVDVAVVECNKLDPTKTTLLKMADCGGLPQISQPAKLAEAFKYFVQGMGYMPSASMTSL
MRSRTASGSSVTSLDGTRSRSHSTSEGTRSRSHSTSEGTRSRSHSTSEGAHLDTIPNSGAAGNSAGP
KSMEVSC

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

69.08

Interspecies Antigen Sequence

Mouse (93); Rat (93)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NDRG1

Entrez GeneID	10397
GeneBank Accession#	BC003175
Protein Accession#	AAH03175
Gene Name	NDRG1
Gene Alias	CAP43, CMT4D, DRG1, GC4, HMSNL, NDR1, NMSL, PROXY1, RIT42, RTP, TARG1, TDD5
Gene Description	N-myc downstream regulated 1
Omim ID	601455 605262
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the N-myc downregulated gene family which belongs to the alpha/beta hydrolase superfamily. The protein encoded by this gene is a cytoplasmic protein involved in stress responses, hormone responses, cell growth, and differentiation. It is necessary for p53-mediated caspase activation and apoptosis. Mutation in this gene has been reported to be causative for hereditary motor and sensory neuropathy-Lom. Multiple alternatively spliced variants, encoding the same protein, have been identified. [provided by RefSeq]
Other Designations	differentiation-related gene 1 protein nickel-specific induction protein Cap43 protein regulated by oxygen-1 reducing agents and tunicamycin-responsive protein tunicamycin-responsive protein

Disease

- [Alzheimer disease](#)
- [Charcot-Marie-Tooth Disease](#)
- [Cognition](#)
- [Colorectal Neoplasms](#)
- [Deafness](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)